

SITE NAME: JOHNS MANVILLE MANUFACTURING PLANT SITE  
DATE: OCTOBER 21, 1996  
SUBJECT: POLREP #10  
LOCATION: NASHUA, NEW HAMPSHIRE  
POLLUTANT: ASBESTOS  
OCCURRENCE DATE: MAY 3, 1995  
MEDIA AFFECTED: AIR AND SOIL  
SEVERITY: MEDIUM  
CATEGORY: INLAND/NON-TRANSPORTATION  
SOURCE/CAUSE: ABANDONED ASBESTOS MANUFACTURING FACILITY  
CERCLIS ID #: NHD001085372  
SITE ID NUMBER: 2J  
REGION: I  
OSC: PAUL R. GROULX, US EPA  
OFFICE OF SITE REMEDIATION & RESTORATION  
EMERGENCY PLANNING AND RESPONSE BRANCH  
SITE EVALUATION & RESPONSE SECTION II  
JOHN F. KENNEDY FEDERAL BUILDING  
BOSTON, MASSACHUSETTS 02203-0001  
(617) 573-5716/573-9662 fax

SITE TELEPHONE NUMBERS: (603) 882-8995 EPA/START  
(603) 882-7192 fax

LATEST POLREP: Polrep #9 - September 13, 1996

## I. Background

See the previous POLREPs or the Action Memorandum - ADDENDUM, dated July 29, 1996.

## II. Action (September 14 through September 27, 1996)

The EPA Emergency Response Team Center (ERTC), located in Edison, New Jersey, under the direction of Rodney Turpin, Safety and Air Surveillance Section Chief, is continuing to provide valuable air monitoring support. This expertise, in addition to the State of New Hampshire Department of Public Health and Human Services (NHDPH&HS) onsite personnel, has created a strong air monitoring program. The Agency for Toxic Substance and Disease Registry (ATSDR) regional representative and ATSDR personnel located in Atlanta, Georgia are monitoring the activities in coordination with the NHDPHS.

Richard Reed, NH Department of Environmental Services, Waste Management Division (NHDES, WMD) as well as the Nashua Assistant Fire Chief Michael Buxton, meet with the OSC and are briefed on site activities on a daily basis. Representatives from the State Air Resource Division, WMD along with the Environmental Officer from the Nashua Board of Health conduct periodic inspections at the site to review site activities and progress.

Large amounts of asbestos insulation were found within walls and



ceilings in Bldg 10 during the preparation for wetting down sealed unit areas of the building prior to demolition. Over 450 bags of asbestos insulating materials were removed.

All asbestos-contaminated materials (ACM) are currently being transported to the City of Nashua Landfill for disposal by Waste Management of New Hampshire.

Perimeter, area, and personal air monitoring is being conducted during all demolition activities. Air monitoring activities at the site consist of real-time aerosol monitors (RAM) stations, high volume perimeter sampling stations, and personal/area sampling stations. In addition, air monitoring is being conducted at the City of Nashua landfill.

- September 16 (Mon.) - ERCS continued with the predemolition activities in Bldg 40 and the removal and dismantling of the ovens, piping, and interior steel of the Building 10.
- September 17 (Tue.) - ERCS continued the predemolition activities in Bldg 40 and the work in Bldg 10. Two rollofs of steel were removed.
- September 18 (Wed.) - ERCS continued with the predemolition activities in Bldg 40 and the work in Bldg 10. Two rollofs of steel were removed from the site.

Security Guards notified on-site personnel and the Nashua Police Department (PD) that noises were heard within Bldg 40. Nashua PD responded and performed a perimeter reconnaissance. The noises were eventually attributed to wind and building-related causes that are more noticeable during the late evening hours when vehicle traffic is diminished.

Severe stress occurred to structural beams in Bldg 40 due to the excessive amount of rain. The areas were cordoned off to prevent unauthorized entry.

Eileen Sparling from the NHDPH&HS, Bureau of Health Risk Assessment, and Mike Tremblay from the Nashua Health Dept. were on site for the bi-weekly public meeting. Local residents arrived for the meeting and spoke with the OSC, State and City representatives concerning site activities.

Ms. Sparling submitted a draft Johns-Manville Demolition Bulletin which she had compiled for review and comments.

- September 19 (Thurs.) - ERCS continued removing steel interior materials and ovens from Bldg 10 and interior steel from Bldg 40. One rolloff of steel debris was disposed of. Additional electrical lines for lighting were added to Bldg 40.

Three Gilian air monitoring pumps were placed within the southern end of Bldg 10 and two were placed within the northeast section of Building 40.

Discussions at the weekly Task Force meeting included the upcoming demolition of the final section of Bldg 10, and the demolition of sections "A" and "B" of Bldg 40. Mitch Locker from the NHDES Groundwater section and Tom Beaulieu from the NHDES Underground Storage Tank (UST) section were on site to discuss removal options of the oil products from tanks located on site. The OSC asked for assistance with the submittal of UST closure guidelines and paperwork. Mr. Beaulieu left forms for the OSC.

A START member and NHDES representative Daniell Spear checked the oil tank vaults and determined probable groundwater infiltration into those vaults. Tanks were stable.

September 20 (Friday) - Crew continued removing interior steel and ovens from Bldg 10 and interior steel from Bldg 40. One rolloff of steel debris was removed from the site.

Over 400 copies of the first Johns-Manville Demolition Bulletin were distributed to EPA, NHDES, NHDHHS, the Mayor's office, City Health Department, the Johns Manville Neighborhood Task Force, area variety stores, laundromats, schools, and barber shops.

NHDES representative Steve Cullinane and EPA NESHAPs representative Wayne Toland met on site with the OSC concerning NESHAPs requirements for the site. The OSC provided a tour of the interior of Bldg #40 to show them the condition of the condemned facility.

September 23 (Mon.) - Mike Buxton arrived on site and investigated reports by the Merrimack Valley Guard Service, Inc. security guard of intruders in Building 40.

ERCS crew continued to prepare the southern end of Bldg 10 for demolition. Four rollofs of asbestos-containing material were shipped off site for disposal.

September 24 (Tue.) - ERCS prepared the southern end of Bldg 10 for demolition, scheduled for the afternoon.

START member Andrew Klein arrived on site to assist with air monitoring tasks. The OSC has assigned the responsibility of the air monitoring program to the Roy F. Weston Inc. START contractor. A total of twenty one air stations need to be in place and maintained during demolition activities. A three man team supports this activity.

Perimeter and area air monitoring stations were set up by START personnel. A total of 18 air samples were collected.

ERCS set up three 3 inch fire hoses in the exclusion zone to be used during the demolition for dust suppression. Each hose is estimated at 70 gallon per minute (total of 210 gpm).

An air monitoring meeting was held on site. Discussion included the modifications to be made to the existing Bldg 10 demolition Air Sampling Plan, and the explanation by the OSC on the TEAM aspects for minimizing the threat to the public through the in place data review system utilizing representatives from Federal, State, and City agencies. In addition, the OSC reiterated that he would shut down the demolition if any agency deemed it as environmentally unsafe, and that after shut down a review of engineering controls or other measures would be discussed by the TEAM before demolition would continue. A list of persons in attendance is listed below:

<u>NAME</u>	<u>REPRESENTING</u>
Paul Groulx	U.S. EPA - Region I
Rod Turpin	U.S. EPA - ERTC, Edison, NJ
Craig Beasley	U.S. EPA - ERTC
Tina Forrester	ATSDR - Atlanta, GA
Susanne Simon	ATSDR - Boston, MA
Eileen Sparling	NHDHHS
Dennis Pinski	NHDHHS
Steve Cullinane	NHDES - Air Division
Mike Tremblay	BOH City of Nashua
Miguel Trespelacios	WESTON - REAC, Edison, NJ
Brian Carter	WESTON - START
Eric Ackerman	WESTON - START

At the conclusion of the meeting, representatives from Federal, State, and City agencies performed a perimeter tour of the site with the OSC.

ERCS secured the bay doors and windows of the adjacent Maine Manufacturing buildings in anticipation of upcoming demolition activities.

A delay in the demolition took place due to the discovery of a 20 foot by 40 foot area of asbestos material along a section of ceiling in Bldg 10. A controlled removal of the asbestos was performed for the duration of the day. The demolition was re-scheduled for the next day. The ERCS crew completed the placing of access holes in the interior walls of Bldg 10 and wetted the interior in anticipation of demolition.

Equipment background sampling was performed by START members to correlated the perimeter RAM stations with the mobile RAM to ensure readings on the upwind and downwind RAMs were being recorded by the data-logger devices. This task was performed on an hourly basis and will continue to be collected in this manner throughout the demolition process.

ATSDR, NHDPHS, and ERT representatives met with the OSC to discuss site air monitoring and future site work.

September 25 (Wed.) - ERCS set up fire hoses used for dust suppression. Demolition resumed on Bldg 10 following the wet down. The controlled demolition razed an additional 2,600 square feet, bringing the Bldg 10 demolition to the 91% completion mark.

Perimeter and area air monitoring stations were set up by START personnel. A total of 18 air samples were collected in addition to the three RAM air stations.

EPA ERTC representatives Craig Beasley, and ERTC contractor Roy F. Weston, Inc.- REAC representative Miguel Trespelacios were on site.

ATSDR representative Tina Forrester, NHDHHS Dennis Pinski and Assistant Fire Chief Mike Buxton were on site to observe and to review the demolition of Building 10. Nashua Fire Marshal Ken Renoux and Mike Buxton investigated reported break-ins.

September 26 (Thursday) - ERCS set up fire hoses used for dust suppression during the demolition, which continued on Bldg 10.

Perimeter and area air monitoring stations, including three area air monitoring stations were in place at the landfill. A total of 21 air samples were collected along with three RAM air stations.

The previous day's data results were sent via facsimile to NHDES Division Chief Richard S. Reed, NHDHHS representative Dennis Pinski, and City Health Director Mike Tremblay for review.

ERCS Health and Safety Officer Mike Zustra arrived on site and spoke with ERCS personnel concerning site activities.

Discussion at the weekly Task Force meeting at City Hall included the review of data, the demolition of Bldgs 10 and 40, a revised Bldg 40 Demolition Plan, a discussion on an updated Bldg Air Sampling Plan, and other site related work. In addition to the OSC, the meeting was attended by Assistant Chief Buxton, NHDHHS representative Pinski, START representative Ackerman, OHM Response Manager Overend, NHDES representatives Cullinane and Spear, City Health Director Tremblay, and Mayor Donald C. Davidson's Chief-of-Staff Edgar Lewis.

The collapse of a 900 square foot roof section of Bldg. 10 resulted in an observed dust release. Elevated readings on the mobile and stationary downwind RAMs resulted in the OSC immediately contacting NHDHHS Representative Dennis Pinski, and ERTC Section Chief Rod Turpin for consultation. Release was identified as concrete dust. Personal, area and perimeter air

sampling station identified no releases of asbestos.

The final 2,900 square feet of Bldg 10 were razed. The foundation, including four large 8,000 gallon pressure vessels, remains. Fill below the slab foundation contains concentrations of asbestos in the 20 to 80% range. Apparently, waste baghouse and manufacturing materials were utilized to backfill the foundation base. The OSC estimates the volume of buried asbestos contamination under the Bldg 10 foundation to be approximately 29,900 square feet by four feet deep, or 4400 cubic yards.

A summary of demolition activities is as follows:

BUILDING 10			
DENOLITION DATE	AREA REMOVED (SQUARE FEET)	VOLUME REMOVED (CU.YDS/ TONS)	ROLLOFFS USED/ DEBRIS TYPE
9/4/96	2000	--	--
9/5/96	4000	27/10.8 30/9.5	1/STEEL 1/ACM
9/6/96	1300	120/33.6	4/ACM
9/7/96	7100	--	--
9/8/96	10000	--	--
9/9/96	--	150/55.7	5/ACM
9/10/96	--	240/74.0	8/ACM
9/11/96	--	180/62.3	6/ACM
9/12/96	--	30/16.3 90/11.8	1/ACM 3/STEEL
9/16/96	--	30/8.8	1/STEEL
DENOLITION DATE	AREA REMOVED (SQUARE FEET)	VOLUME REMOVED (CU.YDS/ TONS)	ROLLOFFS USED/ DEBRIS TYPE
9/17/96	--	60/15.3	2/STEEL
9/18/96	--	30/7.2	1/STEEL
9/19/96	--	30/3.4	1/STEEL
9/23/96	--	120/56.7	4/ACM
9/24/96	--	30/9.35	1/STEEL
9/26/96	2600	150/47	5/ACM
9/27/96	2900	210/66.2	7/ACM

-- - No shipping of waste occurred on this date.

ACM - Asbestos-Containing Material

Perimeter air monitoring stations have found no asbestos or dust at unsafe levels. The NHDHHS, the Nashua Health Department, and the OSC continue to evaluate the air monitoring data on a daily basis to ensure that there is no release of contaminants off site. As of September 27, 1996, there have been 307 samples collected using personal, area, and perimeter air monitoring stations. Laboratory analysis has determined no asbestos fibers found.

In addition, upwind, downwind and mobile RAM stations have been in placed during all site activities and have been monitored continuously.

III. Financial

	<u>Ceiling</u>	<u>Obligated</u>	<u>Balance</u>
ERCS	\$1,150,000	\$ 653,486	\$ 496,523
START	\$ 300,000	\$ 93,500	\$ 206,500
ERTC/REAC	\$ 90,000	\$ 24,000	\$ 66,000

IV. Future Plans

Continue demolition, air monitoring, and community coordination activities.

CASE PENDING

Polrep #10

September 28 1996

Johns Manville Manufacturing Plant Site  
40 Bridge/10 Sanders Street, Nashua, NH

- ✓ M\_x\_\_ National Response Center (G-TGC-2), Headquarters USCG,  
Room 2611, 2100 2nd St., S.W., Washington, DC 20593
- ✓ M\_x\_\_ US EPA, Arthur Johnson, Emergency Response Division (5202G)  
401 M St., S.W., Washington, DC 20460
- ✓ M\_x\_\_ Philip O'Brien, NH Dept. of Environmental Services  
P.O. Box 95, 6 Hazen Drive, Concord, NH 03301-6509
- ✓ M\_x\_\_ Daniell R. Spear, NH Dept. of Environmental Services  
P.O. Box 95, 6 Hazen Drive, Concord, NH 03301-6509
- ✓ M\_x\_\_ Edward Lewis, Executive Assistant to the Mayor, City Hall  
229 Main Street, P.O. Box 2019, Nashua, NH 03061-2019
- ✓ M\_x\_\_ Michael P. Buxton, Assistant Fire Chief,  
Nashua Fire Department, Administrative Office,  
2 Conant Road, Nashua, NH 03062-1899
- ✓ M\_x\_\_ Joseph A. O'Murphy, Owner, 30 Spring Court, Woburn, MA 01801

EPA, Boston

- ✓ L\_x\_\_ John P. DeVillars, Regional Administrator, ORA-100
- ✓ L\_x\_\_ Pat Meaney, Office for Sr. Advisor for Management IRA-101
- ✓ L\_x\_\_ Steve Perkins, Office of Admin. & Resource Mgt., OARM-700
- ✓ L\_x\_\_ Nancy Grantham, Office of Regional Administrator, ORAA-100
- ✓ L\_x\_\_ Liza Judge, Office of Senior Advisor for Policy, ORA-103
- ✓ L\_x\_\_ Johanna Hunter, Office of Senior Advisor, ORA-103
- ✓ L\_x\_\_ Rudy Brown, Gov't Relations, RGR
- ✓ L\_x\_\_ Linda Murphy, Director, OSRR, OSRR-500
- ✓ L\_x\_\_ Frank Ciavattieri, Deputy, OSRR, OSRR-500
- ✓ L\_x\_\_ Dennis Hubner, OSRR, OSRR-500
- ✓ P\_x\_\_ John Gauthier, Office of Criminal Investigations CID
- ✓ P\_x\_\_ Thomas Papineau, Investigations Office, OIG/I
- ✓ P\_x\_\_ Paul McKechnie, Investigations Office, OIG/A
- ✓ L\_x\_\_ Joel Blumstein, OES - SES, PES-404
- ✓ L\_x\_\_ Linda Byrne - PCC, OARM-703
- ✓ L\_x\_\_ Hillary Kelley - PCC, OARM-703
- ✓ L\_x\_\_ John Carlson, Contract Management, OSRR-514
- ✓ L\_x\_\_ Caroline Gagne - Contact Management, OSRR-514

Now MARCHANT

Regional Response Team

- ✓ P\_x\_\_ NOAA, Gerald Wheaton, G-MOR, C/O USCG Commandant
- ✓ M\_x\_\_ DOI, Andrew Raddant, Acting Regional Environmental Officer,  
408 Atlantic Avenue, Room 142, Boston, MA 02110-3334

EPA, OSRR

- ✓ L\_x\_\_ Berger
- ✓ L\_x\_\_ McIntyre
- ✓ L\_x\_\_ O'Halloran
- ✓ L\_x\_\_ Verdone
- ✓ B\_x\_\_ Office File (Vivian Coughlin)
- ✓ B\_x\_\_ Groulx, OSC (w/Copy of Distribution List)
- ✓ L\_x\_\_ Mackey (Enf Coord)
- ✓ L\_x\_\_ Parr, Dorrie
- ✓ L\_x\_\_ Gagne, Caroline *Caroline Marchant*